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Docket No.: 015258-033700 US Client Ref. No.: KS/Pat/P.6827/Ke/Pa

TOWNSEND and TOWNSEND and CREW LLP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Reto Schoeb

Application No.: 09/127,644

Filed: July 13, 1998

For: MAGNETICALLY JOURNALLED ROTATIONAL ARRANGEMENT INCLUDING A ROTOR FOR GENERATING A UNIPOLAR BIAS

MAGNETIC FLUX

Customer No.: 20350

Examiner: Tamai, K.

Art Unit: 2834

PETITION TO WITHDRAW HOLDING OF ABANDONMENT UNDER 37 C.F.R.

1.181(a)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In response to the Notice of Abandonment mailed December 6, 2004. Applicant respectfully requests withdrawal of the holding of abandonment.

Pursuant to MPEP §1214.06, II, it is respectfully submitted that since the present application included allowed claims during the appeal process, the Examiner should have issued the application after the two months for appealing the Board of Appeal Decision had expired. Instead, a Notice of Abandonment was issued.

Reto Schoeb Application No.: 09/127,644 Page 2

PATENT

CONCLUSION

In view of the foregoing, Applicant respectfully requests withdrawal of the holding of abandonment. No fee is believed to be due, however, if any fee is due, please charge deposit account no. 20-1430.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at (415) 576-0200.

Respectfully submitted,

Kevin T. LeMone Reg. No. 35,933

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834 Tel: (415) 576-0200 Fax: (415) 576-0300 KTL/lo

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Docket No.: 015258-033700US Client Ref. No.: KS/Pat/P.6827/Ke/Pa

TOWNSEND and TOWNSEND and CREW LLP

Jata Olivier

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Reto Schoeb

Application No.: 09/127,644

Filed: July 13, 1998

For: MAGNETICALLY JOURNALLED ROTATIONAL ARRANGEMENT INCLUDING A ROTOR FOR GENERATING A UNIPOLAR BIAS MAGNETIC FLUX

Customer No.: 20350

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Tamai, K.

Art Unit:

2834

PETITION TO WITHDRAW HOLDING OF ABANDONMENT UNDER 37 C.F.R. 1.181(a)

Reto Schoeb Application No.: 09/127,644 Page 2

PATENT

CONCLUSION

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Respectfully submitted,

Kevin T. LeMond Reg. No. 35,933

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Attorney Docket No.: 015258-033700US Client Ref. No.: P.6826

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On February 16, 2005

TOWNSEND and TOWNSEND and CREW LLP

Lata Olivier

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner:

Confirmation No.

AMENDMENT

Tamai, K.

Technology Center/Art Unit: 2834

In re application of:

Reto Schoeb

Application No.: 09/127,644

Filed: July 31, 1998

For: MAGNETICALLY JOURNALLED ROTATIONAL ARRANGEMENT INCLUDING A ROTOR FOR GENERATING A UNIPOLAR BIAS MAGNETIC FLUX

Customer No.: 20350

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In response to the Decision on Appeal mailed September 27, 2004, please enter the following amendments and remarks:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

Page 1 of 8

Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Decision on Appeal of September 27, 2004

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Please cancel claims 1-22.

1 (New) A magnetically journalled rotational arrangement comprising a 23. substantially disc-shaped or ring-shaped magnetically journalled rotor and 2 3 a stator comprising: 4 means for generating a field, wherein said field produces rotation of the rotor having means for generating a unipolar bias magnetic flux spatially modulated when 5 6 viewed in the circumferential direction; and 7 a plurality of permanent magnets arranged to cooperate with the means provided on the rotor generating the spatially modulated bias magnetic flux and producing or 8 reinforcing the magnetic journalling of the rotor, 9 10 wherein the stator effecting the magnetic journalling of the rotor surrounds 11 the ring or disc-shaped rotor, 12 wherein the stator plane and the rotor plane coincide and from a bearing 13 plane, and 14 wherein the means for generating the field are arranged in the segments between the permanent magnets in the stator so that the motor plane in which the rotation of the 15 rotor is produced and the bearing plane in which the journalling of the rotor is produced 16 17 coincide.

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3 4 Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Office Action of September 27, 2004

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PATENT

- 24. (New) A rotational arrangement in accordance with claim 23 wherein the means for the production of the field which effects the rotation of the rotor and which is arranged in the segments between the permanent magnets has U-shaped coil cores with windings, with the U-shaped coil cores being arranged in the bearing plane.

 25. (New) A rotational arrangement in accordance with claim 23 wherein the means for the production of the field which effects the rotation of the rotor and which is arranged in the segments between the permanent magnets has U-shaped coil cores with windings, with the
- 1 26. (New) A rotational arrangement in accordance with claim 23 wherein the permanent magnets are arranged at both sides of the disc-shaped or ring-shaped rotor.

U-shaped coil cores being arranged perpendicular to the bearing plane.

- 1 27. (New) A rotational arrangement in accordance with claim 23 wherein the permanent magnets have an axial or a radial magnetization.
 - 28. (New) A rotational arrangement in accordance with claim 23 wherein permanent magnets are provided both on the rotor and on the stator; and wherein both the permanent magnets provided on the rotor and the permanent magnets arranged on the stator are magnetized in the axial direction.
 - 29. (New) A rotational arrangement in accordance with claim 23 wherein permanent magnets are provided both on the rotor and on the stator; and wherein both the permanent magnets provided on the rotor and the permanent magnets arranged on the stator are magnetized in the radial direction.
- 30. (New) A rotational arrangement in accordance with claim 23 wherein permanent magnets are provided both on the rotor and on the stator; and wherein the permanent magnets provided on the rotor are magnetized in the axial direction while the permanent magnets arranged on the stator are magnetized in the radial direction or vise versa.

Page 3 of 8

Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Office Action of September 27, 2004

PATENT

1	31. (New) A rotational arrangement in accordance with claim 23 wherein						
2	control windings are provided in the stator in order to control the spatially modulated unipolar						
3	bias magnetic flux.						
1	32. (New) A rotational arrangement in accordance with claim 23 wherein the						
2	stator producing the magnetic journalling of the rotor is designed to be substantially ring-shaped						
3							
4							
5							
1	33. (New) A magnetically journalled rotational arrangement comprising a						
2							
3	a stator comprising:						
4	means for generating a field, wherein said field produces rotation of the						
5	rotor having means for generating a unipolar bias magnetic flux spatially modulated when						
6	viewed in the circumferential direction; and						
7	a plurality of permanent magnets arranged on both sides of the rotor to						
8	cooperate with the means provided on the rotor generating the spatially modulated bias magnetic						
9	flux and producing or reinforcing the magnetic journalling of the rotor,						
10	wherein the stator plane and the rotor plane coincide and from a bearing						
11	plane, and						
12	wherein the stator producing the magnetic journalling of the rotor						
13	surrounds the ring or disc-shaped rotor, and						
14	the stator further comprises two ring-shaped motor stators, wherein the						
15	first motor stator is arranged in a first motor plane parallel to the bearing plane on the one side of						
16	the bearing stator and the second motor stator in a second motor plane parallel to the bearing						
17	plane.						

Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Decision on Appeal of September 27, 2004

PATENT

I	34. (New) A magnetically journalled rotational arrangement comprising a					
2	substantially disc-shaped or ring-shaped magnetically journalled rotor and					
3						
4	means for generating a field, wherein said field produces rotation of the					
5	rotor having means for generating a unipolar bias magnetic flux spatially modulated when					
6	viewed in the circumferential direction; and					
7	a plurality of permanent magnets arranged to cooperate with the means					
8	provided on the rotor generating the spatially modulated bias magnetic flux and producing or					
9	reinforcing the magnetic journalling of the rotor,					
10	wherein the stator plane and the rotor plane coincide and from a bearing					
11	plane, and					
12	wherein the stator producing the magnetic journalling of the rotor					
13	surrounds the ring or disc-shaped rotor, and					
14	the stator further comprises a disc-shaped motor having a disc rotor					
15	winding and arranged in a motor plane parallel to the bearing plane.					
. 1	35. (New) A rotational arrangement in accordance with claim 23 wherein the					
2	means for the production of the field which effects the rotation of the rotor comprises a rotatable					
3	drive which can be magnetically coupled to the rotor and the axis of rotation of which coincides					
4	with the axis of rotation of the rotor.					
1	36. (New) A rotational arrangement in accordance with claim 35 wherein the					
2	drive comprises permanent magnets which are magnetized in the axial direction.					
1	37. (New) A rotational arrangement in accordance with claim 35 wherein the					
2	drive comprises permanent magnets which are magnetized in the radial direction					

Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Decision on Appeal of September 27, 2004

PATENT

REMARKS/ARGUMENTS

Claims 23-38 were pending. However, the Examiner has issued a Notice of Abandonment.

Pursuant to MPEP §1214.06, II, Applicant hereby respectfully requests the withdrawal of the Abandonment of this application. It is respectfully submitted that since the present application included allowed claims during the appeal process, the Examiner should have issued the application after the two month for appealing the Board of Appeal Decision had expired. Instead, a Notice of Abandonment was issued. Applicant submits herewith the appropriate petition under 37 CFR §1.181(a).

Pursuant to 37 C.F.R. 1.198, Applicant has filed herewith a Request for Continued Examination and paid the fee in accordance with 37 C.F.R. 1.17(e). Applicant has cancelled the claims pending in this application and rewritten allowed claims 11, 15 and 16 as new claims 23, 33 and 34, respectively. The remaining claims depend upon one of the allowed independent claims. In rewriting the allowed independent claims, the feature that the stator "is designed to be substantially ring shaped" was omitted since this feature does not lend to the patentability of the claims.

Appl. No. 09/127,644 Amdt. dated February 16, 2005 Reply to Decision on Appeal of September 27, 2004

PATENT

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,

Kevin T. LeMono Reg. No. 35,933

TOWNSEND and TOWNSEND and CREW LLP

Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 415-576-0200 Fax: 415-576-0300

Attachments KTL:lo 60407054 v1

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ATTENTION:

Examiner Tamai, K.

Group Art Unit 2834

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FOR THE PERSONAL ATTENTION OF

EXAMINER Tamai, K.

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following documents in re Application of Reto Schoeb, Application No. 09/127,644, filed July 31, 1998 for MAGNETICALLY JOURNALLED ROTATIONAL ARRANGEMENT INCLUDING A ROTOR FOR GENERATING A UNIPOLAR BIAS MAGNETIC FLUX are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

- 1. Request for Continued Examination
- 2. Amendment
- 3. Petition to Withdraw Holding of Abandonment

Number of pages being transmitted, including this page: 13

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Auto-Reply Facsimile Transmission



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FOR THE PERSONAL ATTENTION OF

EXAMINER Tamai, K.

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby cortify that the following documents in to Application of Reio Schock, Application No. 09/127,644, filed July 31, 1998 for MAGNETICALLY JOURNALLED ROTATIONAL ARRANGEMENT INCELIDING A ROTOR FOR GENERATING A UNIPOLAR BIAS MAGNETIC FLUX are being facsimile treat itted to the Patent and Trade

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EXAMINER Tamai, K.

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Per our telephone conversation of today to the Patent Office we were instructed to resend the attached documents.

Documents Attached

- 1. This Transmittal Form (2 pages)
- 2. Copy of 2/16/05 Certificate of Facsimile Transmission (1 page)
- 3. Copy of 2/16/05 Request for Continued Examination (1 page submitted in duplicate)
- 4. Copy of 2/16/05Petition to Withdraw Holding of Abandonment (2 pages submitted in

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PTO/SB/30 (094-4)

Request	Application Numl	er	09/127	,644				
for (BOE)	Filing Date		July 31	, 1998				
Continued Examination (RCE) Transmittal	First Named Inve	ntor	Schoel	Schoeb, Reto				
Address to:	Art Unit		2834					
Mail Stop RCE Commissioner for Patents	Examiner Name		Tamai,	K				
P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket I	Numbe		3-033700US				
This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.								
Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).								
	a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.							
	i. Consider the arguments in the Appeal Brief or Reply Brief previously filed on							
il. L. Other b. 🛛 Enclosed								
i. Amendment/Reply	iii 🗀 In	formatic	on Disclosure S	tatement (IDS)				
ii. Affidavit(s)/ Declaration(s)			tition to Withdr					
2. Miscellaneous								
period ofmonths. (Period of suspension	Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period ofmonths. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)							
b Other								
	ne RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.							
Deposit Account No. <u>20-1430</u>	he Director is hereby authorized to charge the following fees, or credit any overpayments, to eposit Account No. <u>20-1430</u> . I have enclosed a duplicate copy of this sheet.							
	RCE fee required under 37 CFR 1.17(e)							
c. Payment by credit card (Form PTO-2038 enclosed) WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card Information and authorization of PTO-2038.								
SIGNATURE OF APPLI	CANT, ATTOKNEY, OR	AGENT	REQUIRED)				
Signature le un	ny (Date	•	2/16/05				
Name (Print /Type) Kevin T. LeMond		Reg	istration No.	35,933				
CERTIFICATE	OF MAILING OR TRANS	MISSIC	ON .	,				
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Signature Allw's								
Name (Print /Type) Lata Olivier		Date	2/16/05	,				

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PTO/SB/30 (09-04)

			-						
Request	Application Number	09/127,844	_						
for Continued Examination (RCE)	Filing Date	July 31, 1998							
Transmittal	First Named Invent	or Schoeb, Reto							
Address to: Mail Stop RCE	Art Unit	2834							
Commissioner for Patents P.O. Box 1450	Examiner Name	Tamai, K.							
Alexandria, VA 22313-1450	Attorney Docket Nu		السيد.						
This is a Request for Continued Examination (RCE) und Request for Continued Examination (RCE) practice under 37 CFR 1995, or to any design application. See Instruction Sheet for RCEa	1.114 does not apply to a	By utility or plant application filed prior to June 8							
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considered as a submission even if this box is n	a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.								
i. Consider the arguments in the Appeal Brie	-								
									
b.	iii 🗀 info	rmation Disclosure Statement (IDS)							
ii. Affidavit(s)/ Declaration(s)		er _Petition to Withdraw Holding							
2. Miscellaneous	iv. 🖂 Our	- Pubult M Lamintam Linking							
a. Suspension of action on the above-identified app									
b. Other	 								
3. Fees The RCE fee under 37 CFR 1.17(e) is required	The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filled.								
The Director is hereby authorized to charge the Deposit Account No. 20-1430	The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 20-1430								
i. RCE fee required under 37 CFR 1.17(e)	· ·								
ii. Extension of time fee (37 CFR 1.136 and 1.17)									
iii. Other									
b. Check in the amount of \$		enclosed							
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